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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/671,425	09/25/2003	William E. Luce	BFGRP0318USA	5819
53428	7590	01/13/2006		
DON W. BULSON (GOODRICH) RENNER, OTTO, BOISSELLE & SKLAR, LLP 1621 EUCLID AVENUE 19TH FLOOR CLEVELAND, OH 44115			EXAMINER TORRES, MELANIE	
			ART UNIT 3683	PAPER NUMBER
DATE MAILED: 01/13/2006				

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/671,425	<b>Applicant(s)</b> LUCE, WILLIAM E.	
	<b>Examiner</b> Melanie Torres	<b>Art Unit</b> 3683	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 07 November 2005.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 2-22 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 2-22 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### *Claim Rejections - 35 USC § 103*

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 2-4, and 10-22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Labrecque in view of Robinson (2002/0124643).

Re claims 2-4, 10-17, 21 and 22, Labrecque teaches an aircraft shock strut, comprising a cylinder (40), a piston (43) telescopically movable within the cylinder and defining therein a sealed chamber partially filled with a liquid and partially filled with a gas; and at least one probe (11) associated with the chamber for sensing a condition of a level of liquid in the chamber. However, Labrecque does not teach at least one probe associated with the chamber for sensing the condition of a level of liquid in the chamber through interaction with the liquid in the chamber and a cable that passes through the wall of the strut for connecting to the probe. Robinson teaches at least one probe (7) associated with the chamber for sensing the condition of a level of liquid in the chamber through interaction with the liquid in the chamber and a cable (5) that passes through a wall (1) for connecting to the probe. It would have been obvious to one of ordinary skill in the art at the time the invention was made to have substituted the probe assembly of Robinson with the probe assembly of Labrecque to allow for remote viewing of the fluid level or for sensing with electronic sensors.

3. Claims 5-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Labrecque in view of Robinson (2002/0124643) and further in view of Girvin et al.

Re claims 5 and 6, Labrecque as modified does not teach a fitting assembly that seals a cable with respect to the strut. Girvin et al. teaches a fitting assembly (84) that seals a cable with respect to a strut. It would have been obvious to one of ordinary skill in the art at the time the invention was made to have provided the fitting assembly of Girvin et al. in the strut of Labrecque as modified in order to provide a secure assembly of components.

Re claims 7-9, Labrecque as modified does not teach wherein the plug has an annular groove for receiving an o-ring seal. It would have been obvious to one of ordinary skill in the art at the time the invention was made to have provided an o-ring seal, since seals are well known in shock absorbers for use at critical locations for adequate sealing thus preventing leakage of the working fluids.

### ***Response to Arguments***

4. Applicant's arguments with respect to claims 2-22 have been considered but are moot in view of the new ground(s) of rejection.

Applicant's After Final rejection and Appeal Brief were both received on November 7, 2005. The examiner has applied a different interpretation of the

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references due to the incorporation of claim 1 into claim 2. Therefore, a new Non-Final rejection is applied and the arguments in the Appeal Brief are moot.

### ***Conclusion***

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Melanie Torres whose telephone number is (571)272-7127. The examiner can normally be reached on Monday-Friday, 6:30 AM - 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James McClellan can be reached on (571)272-6786. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

MT  
January 11, 2006

*Melanie Torres*  
*Melanie Torres*  
*Primary Examiner*  
*1-11-06*